JIEXI

KCW-5T.6T
Ultrasonic Nebulizer
Operating Instructions

KCW - 5T
KCW - 5TD
KCW - 5TSD
KCW - 5TYD*
KCW - 6T
KCW - 6TD
KCW - 6TC
KCW - 6TYD

NANTONG JIEXI ELECTRIC MANUFACTURE Co.,LTD.

JIEXI KCW-5T.6T

USER GUIDE

KCW-5T.6T series ultrasonic nebulizer atomizes the medicinal solution under a strong directional ultrasonic pressure generated by the ultrasonic wave in the solution. The medicinal mist will be absorbed directly into the patient¡¯s focus. It is pain-free, convenient and has excellent curative effect, which makes it a kind of innovative healthcare and curing equipment feeding medicine with a new method. It is widely used in curing diseases of respiration system, such as cold, fever, bronchitis, asthma, pneumonia, pneumonic mycosis and pulmonary heart disease. It can also be used to cure occupational disease in respiration system; give throat care to the artists, cure ENT (ear, nose, throat) diseases like chronic allergic rhinitis, acute laryngitis, acute phatyngitis, acute tonsillitis, apply medicine on surgical cuts and provide moisture on skin, etc.

*The above-mentioned applicable range is only for reference. Please follow your doctor's advice.

We have the certificate of ISO9001/ EN46001/ ISO13485 International Standard Quality System for medical treatment equipment. We have absorbed the innovations in product development by many manufacturers famous at home and aboard over the decades. With decades of experience, we select high-tech and reliable raw materials and components to develop advanced ultrasonic nebulizers. Our products bear such features and functions: the main parts of the equipment are imported and upgraded with our innovation in product development; mist amount is adequate; air, mist and power supply are separated individually; the patented ultra-atomization property can atomize the medicine liquid and generate a fine spray which can produce a better clinic effect; multi-measure self-protecting functions can automatically give the product necessary maintenance.

Product Maintenance: easy to disassemble, install and maintain. Repairs can be handled without technology support. (The inner structures of the equipment are all connected with connectors with locking function, so it is convenient to maintain and repair.) The equipment has extra-duration, luxurious & unique look whilst it is convenient, safe and comfortable to use. The products passed European Union CE, US FCC accreditations and sell well in more than thirty countries and regions.

Main specifications:
Rated power supply: AC: 220V/ 50Hz
Input power: ⩽ 70VA
Working noise: ⩽ 50db (A)
Electronic component classification: model B classified in II
Automatic protection for water shortage

Other specifications:

Model	Capacity of medicine cup	Nebulizing amount	Time setting	
			Mode	Time
KCW - 5T	≤50ml	≥3ml/min	---	---
KCW - 5TD	≤50ml	≥3ml/min	Mechanical	60min
KCW - 5TSD	≤50ml	≥3ml/min	Electronical	45min
KCW - 5TYD	≤50ml	≥3ml/min	Electronical	59min
KCW - 6T	≤80ml	≥4ml/min	---	---
KCW - 6TD	≤80ml	≥4ml/min	Mechanical	60min
KCW - 6TC	≤80ml	≥4ml/min	---	---
KCW - 6TYD	≤80ml	≥4ml/min	Electronical	59min

*KCW-5T series are single-head nebulizers. KCW-6T series are double-head nebulizers

KCW-6TC is the nebulizer designed for Chinese herbal medicine. Model KCW-5TYD is for export.

Operation instructions:

All the products of KCW-5T.6T series have the same work mechanism and interior electronic structure, so the basic operations are literally the same. The main difference lies in different nebulizing amounts, capacity of the medicine cup and the exhaling mode of the nebulized medicine liquid. Oxygen input port is added in the KCW-6T series to cure heavy symptoms or treat weak patients. Different modes have different time-settings (Please refer to the specification table.) and different function indicating methods.

The operation instructions are as follows:

1 Preparations:

1.1 Check the components of this equipment. If it is your first time to use this nebulizer, please read the packing list and check if all parts are included. Please contact our sales agent with any questions. Please check the components to ensure everything is right for the next use and replace the damaged component in time. Please make sure that the components have been sterilized before use.

1.2 Make sure that the equipment is in right condition. If there is no mark on it or anything wrong, please contact the keepers. If necessary, please check the using and maintenance records.

1.3 Choose right power supply and plug in the right power outlet.

2 Infuse or change cooled water in water tank:

2.1 Infuse cooled water: take out the medicine cup (nebulizing tube): As demonstrated in Picture 1 a) b), first take down the lid of the medicine cup (nebulizing tube) (turning the lids of 5T series anticlockwise to remove the air entry in the top lid from the air exit), then remove the medicine cup (nebulizing tube) from the main part. (Picture 2 a) b).) Operate 5T series in line with the indication in Picture 3: take down the top lid of main part, add clean water into the water tank, make the floating barrel of the magnet-controlled switch rise to the top, (Picture 4) (or add in the water to the highest water level).

(a) KCW-5T series (b) KCW-6T series

(Picture 1)

(a) KCW-5T series (b) KCW-6T series

(Picture 2)

(Picture 3) KCW-5T series

(Picture 4)
KCW-5T.6T series

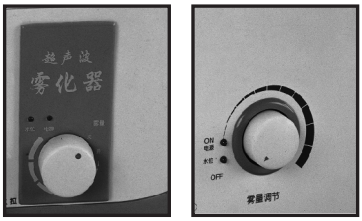
2.2 Change cooled water: please change cooled water regularly to keep the equipment clean and the water at right temperature. You are advised to change the cooled water after every use so that water can be kept cooled and the furring can be removed easily. This method can help to prolong the working life of the transducer (wafer). When changing the water, you can take off the top lid directly, let out the water and add in fresh water. You can also let water out through the water valve: pulling out the valve core, let out water and push gently to shut water valve (If you feel difficult to pull out the valve core, please turn the valve first) (Picture 5). Make sure to pour the water out after using.

3 Adjusting the amount of nebulizing:

3.1 Adjust the amount of nebulizing for model KCW-5T.6T.6TC: Turn (clockwise) (Picture 6 a) b)) knob to adjust the nebulizing amount. Power lamp indicator is on (Picture 6 a) b)). When the whole equipment is on

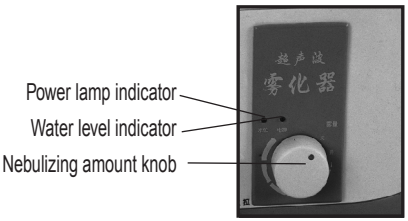
power, the water level lamp indicator will light, the water tank will be filled with mist and the equipment will work properly. By adjusting the knob, nebulizing amount should vary noticeably and the knob should be switched to the lowest or the stop mode.

3.2 Adjust nebulizing amount for model KCW-5TD.6TD: Turn the time setter to "on" (anti-clockwise) and the function of time setting will be on work. Follow time-setting instructions to set the right time. Next, turn the nebulizng amount adjusting knob (clockwise), the power lamp indicator lights (Picture 7 a) b)). When the whole equipment is on power, the water level lamp indicator will light, (Picture 7 a) b)), the water tank will be filled with mist and the equipment will work properly. By adjusting the knob, nebulizing amount should vary noticeably and the knob should be switched to the lowest or the stop mode.

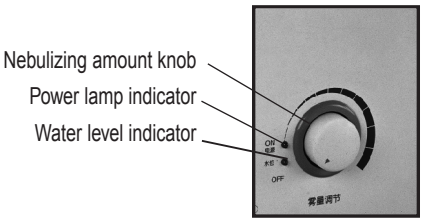


(a)KCW-5T (b) KCW-6T KCW-6TC

Picture 5

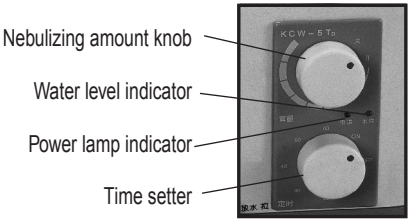


(a)KCW-5T

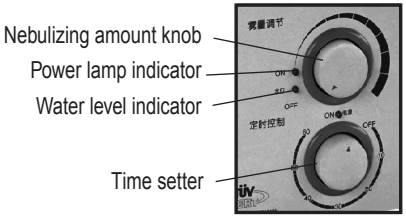


(b) KCW-6T KCW-6TC

Picture 6



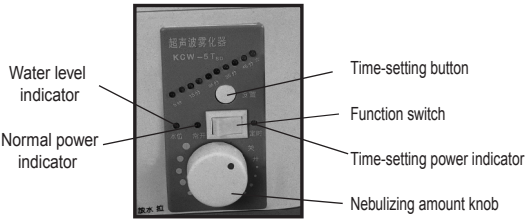
(a)KCW-5TD



(b)KCW-6TD

Picture 7

3.3 Adjust nebulizing amount for model KCW-5TSD: turn the function switch to the normal position, set the right time and turn on the nebulizing amount knob clockwise (Picture 8). By adjusting the knob, nebulizing amount should vary noticeably and the knob should be switched to the lowest or the stop mode.

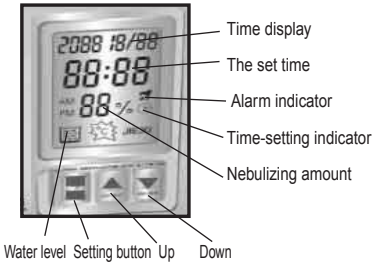


Picture 8 KCW-5TSD

3.4 Adjust nebulizing amount for model KCW-5TYD (or model 5TsD with LCD) and model 6TYD: Turn on the switch on the power cord or the plug. The screen of LCD will light and show the nebulizing amount (Picture 9 shows the percentage on the LCD screen). When the computer is started, the nebulizing amount is set by default at about 70% but the percentage can be changed by a press on the "up" or "down" button. (When the time-setting indicators light on, only time can be set. Press the setting button to turn on or turn off the indicators)

4 Time-setting:

4.1 Time-setting for model KCW-5TD.6TD: use the time setter, turn the time-setting knob clockwise to a desired time mark (the time mark is for reference only). Once time is set, the time-setter starts to work from the starting point and automatically switch off when the time is up. Please turn the knob (anticlockwise) to "on" to start the time-setting function.



Picture 9 KCW-5TYD.6TYD

4.2 Time-setting for model KCW-5TSD: The set time is showed in the LCD screen and the main power supply is needed to be switched on. Turn the function-switch to the time-setting position, press the setting button to display the set time every five minutes (the time counts down). Turn the function-switch to the normal position to start the time-setting function.

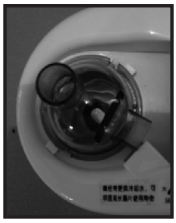
4.3 Time-setting for model KCW-5TYD (model KCW-5TSD with LCD) and model 6TYD: When the computer is started, the working time is set by default for about 30 minutes. If you need to adjust the time, please press the setting

button, and the light of the alarm indicator will turn on. Press " ▲ "and " ▼ " to change the time (Picture 9). The time is set when the digits on the screen stop flashing. The timing begins and ends when the time is up. These two models of nebulizers, when not in use and off power, hour, date, month, year can also be displayed well on the internal power supply. To set the time normal, the time setting indicator light will turn on when you press the setting button. By giving the " ▲ " button a press, you can adjust the minute, the second press for the hour, the third one for the date, the fourth for month, the fifth one for year, and the sixth one will turn off the indicator and the time setting ends.

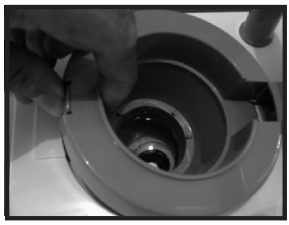
* The electronic timer may receive interfering from power supply at the starting and may not show the time right. Please keep adjusting the setting button to remove the interference and set the right time.

5 Put in medicines:

5.1 KCW-5T Series: put medicine solution into the medicine cup (nebulizing tube), turn the lid clockwise to close the medicine cup tight. Make sure that the air exit of the medicine cup is fixed in well with the top lid entry (Picture 10).



Picture 10 KCW-5T series

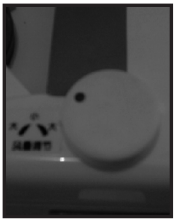


Picture 11 KCW-5T series

KCW-6T Series: put medicine solution into the medicine cup (nebulizing tube). Put the medicine cup (nebulizing tube) to the equipment and fix it to the locking bar there (Picture 11). Put the lid on the medicine cup. Connect nebulization-transferring pipe and target at the parts for treatment. Put on the spray nozzle or the face mask.

5.2 Model 6Tc for Chinese herbal medicine: When using this nebulizer, take off the cup lid, put the supplied filter onto the medicine cup and put into Chinese herbal medicine to make the filtered liquid flow smoothly into the medicine cup (Picture 12). The next steps should be done in the same way as that for other models.

Picture 12
KCW-6Tseries



(a) KCW-5T series

(b) KCW-6T series

Picture 13

6 Select components and instructions:

Treatment through pharynx and larynx: please use the spray nozzle, open your mouth, put in the spray nozzle and close up your lips slightly. Treatment through nasal cavity: please use the face mask, keep the face mask gently on your face or use an elastic band to fix it.

Adjust and choose a comfortable output. The output should be kept in a low level in inhaling treatment because active inhaling is recommended here. Inhale adequate dose needed in the treatment for a particular focus.

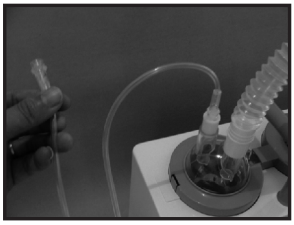
If the focus is in the windpipe or the lung, slow inhaling can produce a better curing effect.

7. Adjust the output:

Adjust the output to actual needs. The output should not be excessive. If the spray nozzle is used, the output is considered adequate as well as the spray can come out normally. Otherwise, excessive output is a waste of medicine and the expected curing effect cannot be achieved. Moreover it may cause discomfort to the organs or cause convulsion. The output should be controlled during inhaling treatment. Comfortable output should be tried out before regular use. Please follow and repeat the above steps if the output needs to be adjusted afterwards.

8. Oxygen intake entry:

6T series ultrasonic nebulizer oxygen intake entry: first insert the oxygen intake entry into the connecting port on the medicine cup and fix in the pipe (Picture 14). Adjust the output to the minimum when using the oxygen intake entry. The nebulizing amount is generated by oxygen. If nebulizing amount generated by the oxygen is too large, you can adjust the panel on the entry (Picture 15).



Picture 14 KCW-6T series

9. Precautions:

Make sure that water left on the surface of the transducer (wafer) and the furring are removed with cotton balls (Picture 16). Do not use hard objects to scrub the transducer (wafer).

Picture 15 KCW-6T series

Picture 16 KCW-5T.6T series

Repair & Maintenance:

1. Maintenance for the medicine cup: when sterilizing or washing the medicine cup (nebulizing tube), please separate the front part of the medicine cup (nebulizing tube) and the cup base. Sterilize the cup lid, cup body, cup base, bottom film and sealing circle separately and thoroughly. When installing the cup, keep the sealing circle close to the cup base, put the bottom film on the circle and fasten the cup base tight with the cup body. If you use the whole medicine cup, please soak the cup completely. If it is a disposable medicine cup, it is not necessary to sterilize.
2. Maintenance for the spray nozzle and the face mask: corrugated pipe can be sterilized by soaking. Make sure that all the nebulizer components should not be sterilized under high temperature.
3. Maintenance for the output system: take off the cover of the wind engine, clean up dust and reinstall.
4. Both interior and exterior of the equipment should be checked by technical professionals every half a year.

Note:

1. When unpacking, please read the packing list and check if all parts are included. Please contact our sales agent with any questions. .
2. When using the equipment, please keep the wafer in water tank cool and the surface of transducer (wafer) clean. Do not use hard objects to scrub the transducer (wafer) to avoid possible damage.
3. It is normal that the casing is heated to 40 °C. The set-in automatic temperature-controlled unit can keep the surface temperature at 40 °C, which can effectively prevent the patient¡¯s organ from convulsion due to exposure to cold air.
4.The medicine liquid must be free from viscous and greasy matters.

Trouble shooting:

You have followed the instructions, but the equipment does not work:
Check whether the power supply lamp indicator is on, whether the power supply is switched on, whether the fuse is in good condition, whether water lamp indicator is on, and whether cooled water is at the highest water level. Whenever the water indicator does not light or the water indicator flashes, the equipment will swap into an automatic self-protection condition. Please check whether the time setting is right and the switch is in the "on" condition.
Inadequate nebulizing amount: check whether the output-adjusting-switch is at its maximum, whether the surface of the transducer (wafer) is dirty or covered by dust, whether the medicine liquid is too adhesive or greasy; whether the bottom film of medicine cup is distorted or loose. (The old transducer should be replaced if it has already contracted after long use. Please test with natural water before the replacement is made.)

* If alkaline medicine liquid leaks into the water tank of the equipment, there will be no nebulization but water column, or the nebulizing amount is very small. In this case, water tank should be cleaned and dried completely. The above problem will disappear in 24 hours and the equipment can get back to work.
* Please contact us through our after-sales service hotline: 0513-2534891 for further assistance.

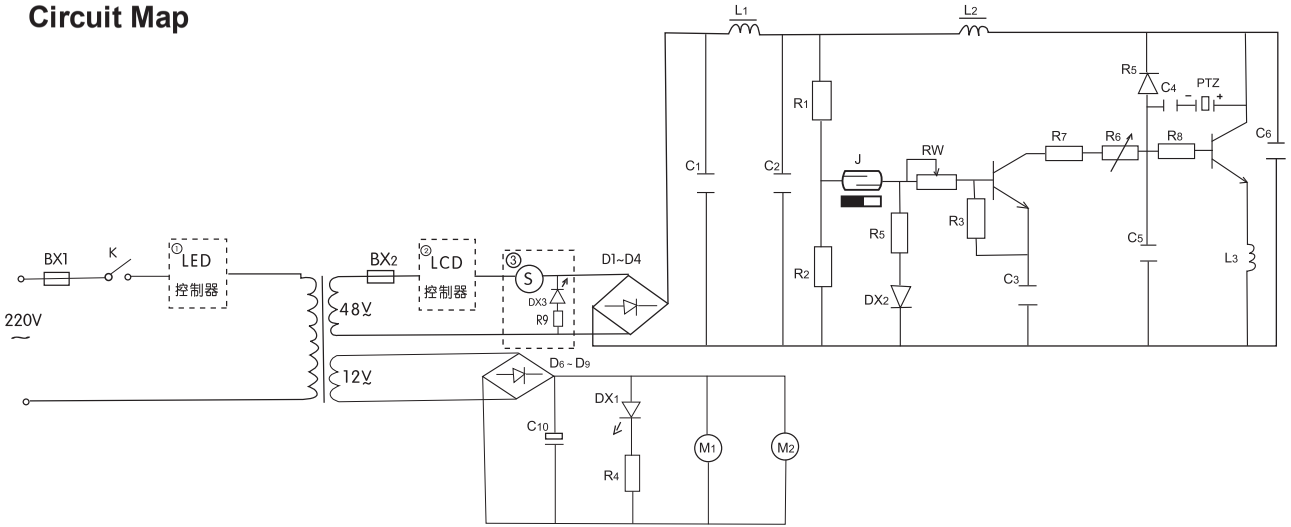
Guarantee:

1 Please come to our service center within a month from the purchase date to register for future maintenance.
2 Five-year maintenance is provided to the above products. Free maintenance is guaranteed in the first year and paid maintenance is provided for next four years (Maintenance and service are free of charge, but materials and other relative items should be paid). If you send the guarantee card to our service center within three months from the purchase date and pay RMB200 (four years: RMB50 per year), we won¡¯t bill you for any repairs or component replacements.
3. No free repairs and no free replacement of component are offered if the breakdown is caused by incorrect usage. However, free maintenance service is still available.
In case the following happens, no free maintenance service will be offered: dismantling the product without authorization; scraping off the serial number of the casing; incompletion guarantee procedures; or unidentifiable guaranteed period.

Enclosure: circuit map

(This map is for maintenance reference only and subject to change without notification.)

Circuit Map



Note: in dot line frame ①circuit map of 5TSD
②circuit map of 5TYD.6TYD
③circuit map of 5TD.6TD
Others are the shared circuit maps of 5T.6T series

International Quality System Accreditation

EU CE Accreditation

USA FC Accreditation

Convenient Maintenance System

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